THE DISTILLATION GAS
C-poorest tins.
3-1 C\J-IM X2= <>-2 cubic, metre 0
23-7 C1I, x 1=23-7 ,, cj
8-8 CO xi- 8-8 ,, 0
3-0 CO xl= '*'° ,, G
Total 41-7 cubic metre C X 0-538 ___
22-13 kg:. O
C-richest Gas.
4-5 CmHn X2 = 9-0 cubic metre C
34-0 CH4 XI -34-0 8-3 CO xl= 8-3 1-S CO Xl= 1*8
C C C
Total 53-1 cubic metre 0 X 0-538
28-57 k-. C
Further, the gases contain hydrocarbons, and of the carbon-containing gases if one changed the CmH» into CH*1 the result would be :—
C,,,!!,, 3-1x2 <>'2 cubic metre
Marsh gas 22-9 cubic metre
C-richest Gas.
OmIIH 4 • 5 x 2 = 9 • () cubic metre OII4 34-OX 1 = 34-0 ,, __,,__
Marsli eas 43-0 cubic metre.
In order now to be able to bring these values, and some others (to be aHCorfoiined later) into simple relation to the H, 01 Hi can conceive both the gases considered in the given
OK THE GASES INTO THEIR ELEMENTS.
(.'•poorest, (las consists of:
Cubic. Cubic (!ubi« Cubic
nit'trc, («. mclm (). mt'tni II. iiu'.tni N.
<V,HM;MX2 •— <J'l2
(1H4 23-7X2 - ..... -I7-4
II 5(J-()Xl -•» <")<>•()
(10, 3"0 xl 3*0
^ j
•VT<
C-richcst Gas consists of;
Cubic- Cubic Cubic, Cubic
metre-(1. metre O. metre. If. metre N.
Cmlln 4-5X2 —- 9-0 —
0114 34-OX2 — 08-0 —
1L 47-6X1 — 47-0 —
(JOy 1-8X1 1'8 — —
CO 8-3X0-5 4-15 •— —
() 0'2 0-2 —-
N 3-5 — — 3-5
Total JM'ti
\ + io«)-(j + (j Total 99-9 6-15+124'6+3-5+C
1 This apparently etithtkly arbitrary operation lias the object only of making the comparison between the H taken "in the free state and hydrocarbons simpler and thereby to avoid the. amount of the latter being made out too low, viz., one almost never linds Cm,HH in the analysis oil producer gas. Should this nevertheless by way of exception occur, then one must further proceed as is given in the. remarks on p. 85.